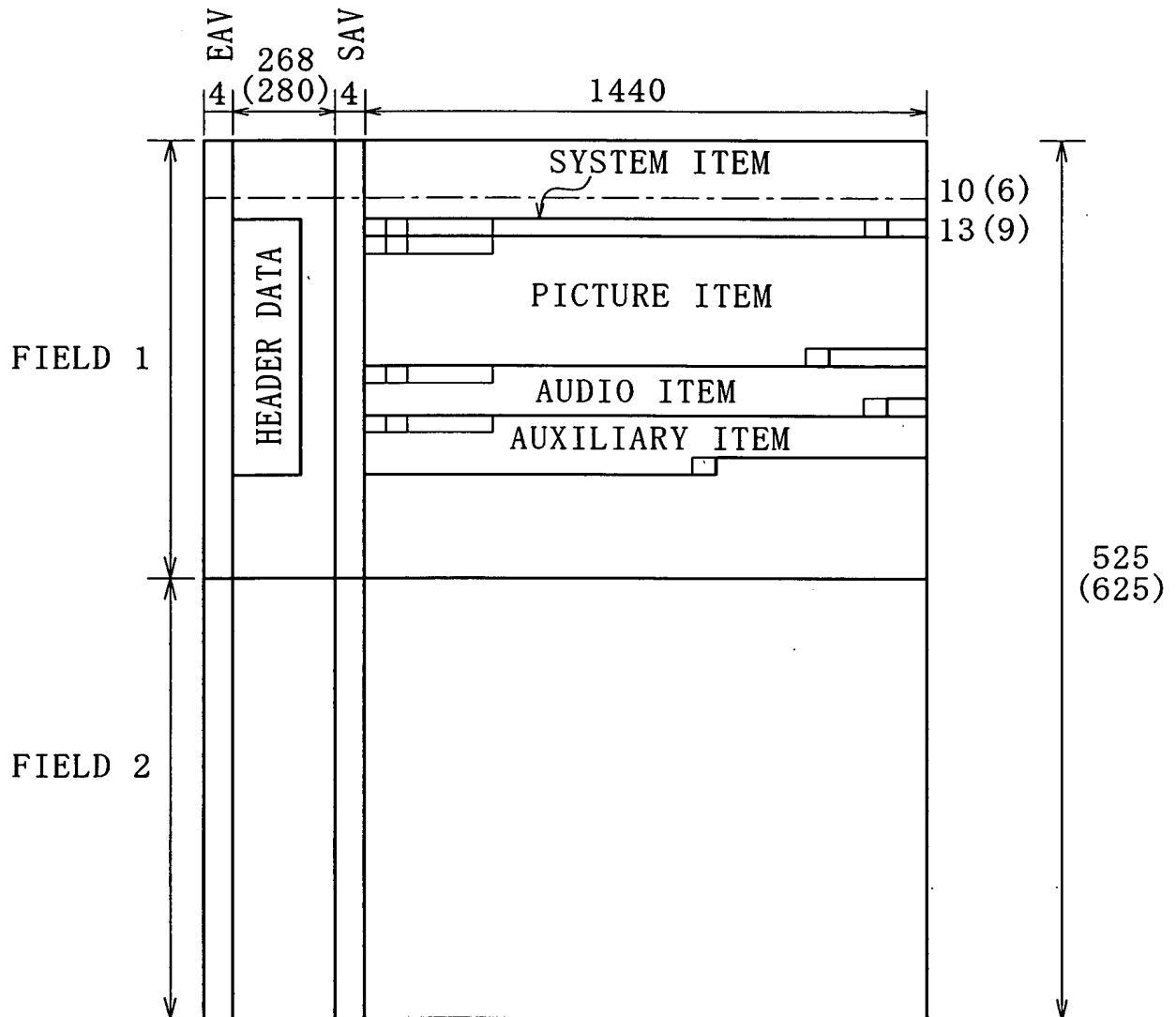
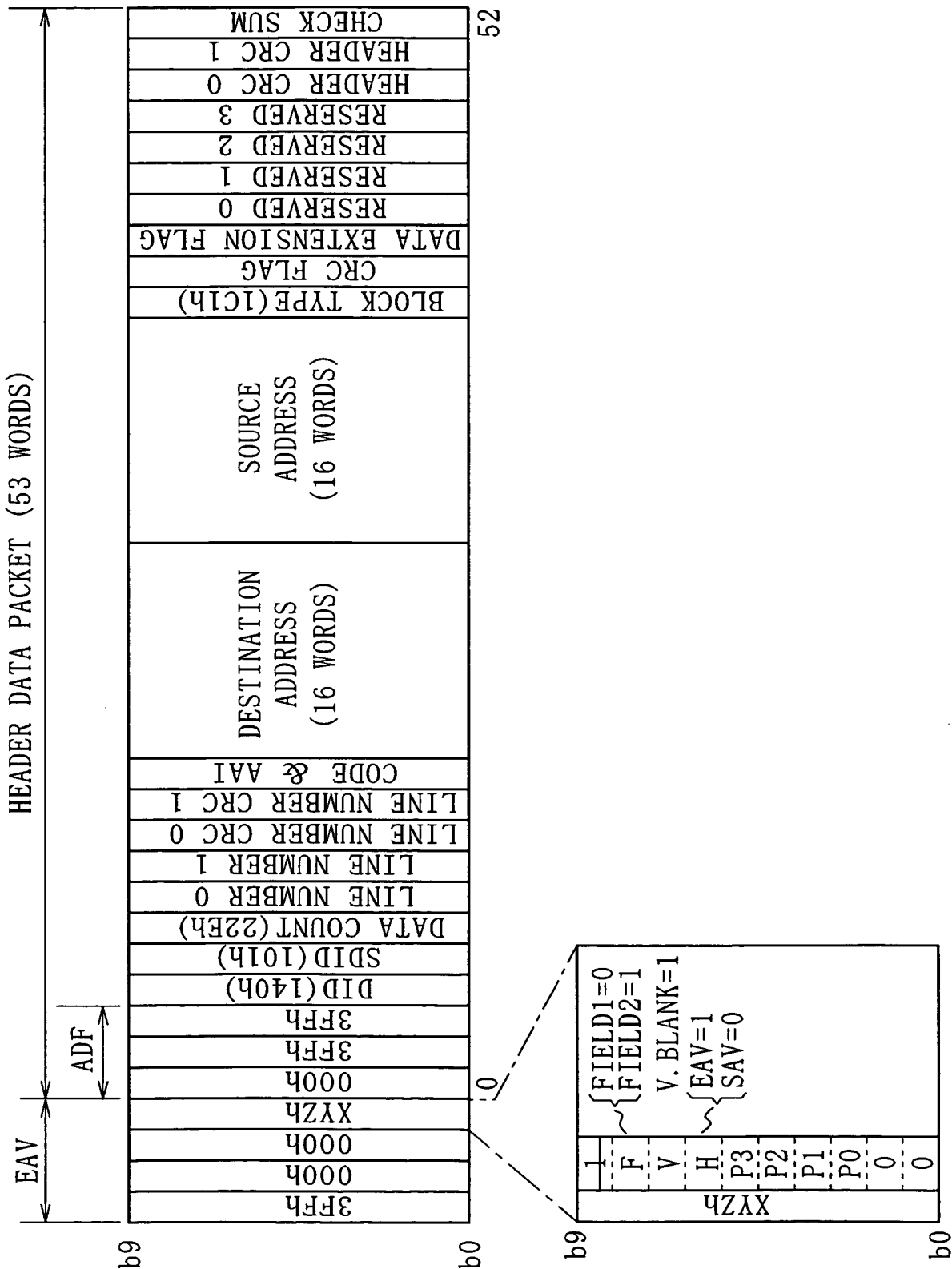


F I G . 1



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TOP SECRET

FIG. 2



F I G . 3

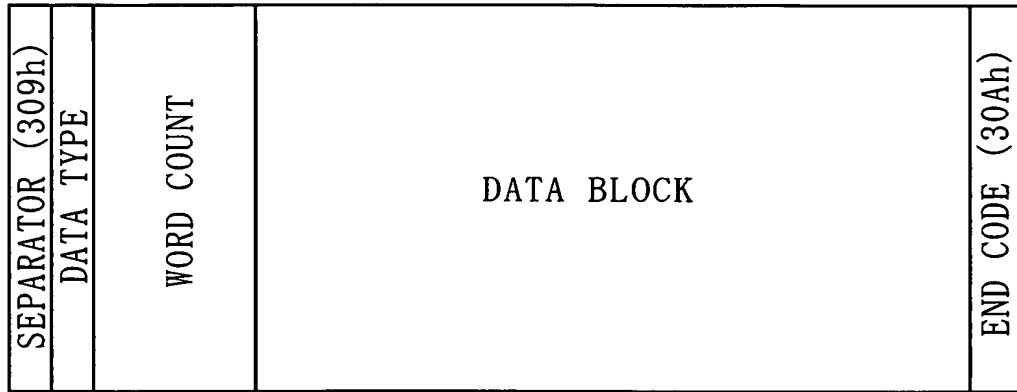
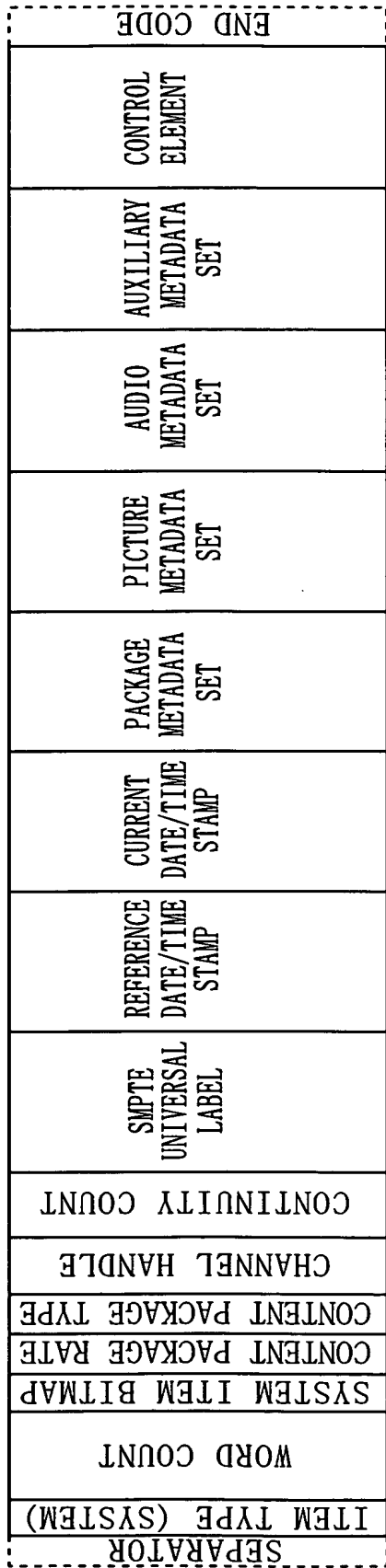


FIG. 4



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| | |
|----|-----|
| C7 | C15 |
| C6 | C14 |
| C5 | C13 |
| C4 | C12 |
| C3 | C11 |
| C2 | C10 |
| C1 | C9 |
| C0 | C8 |

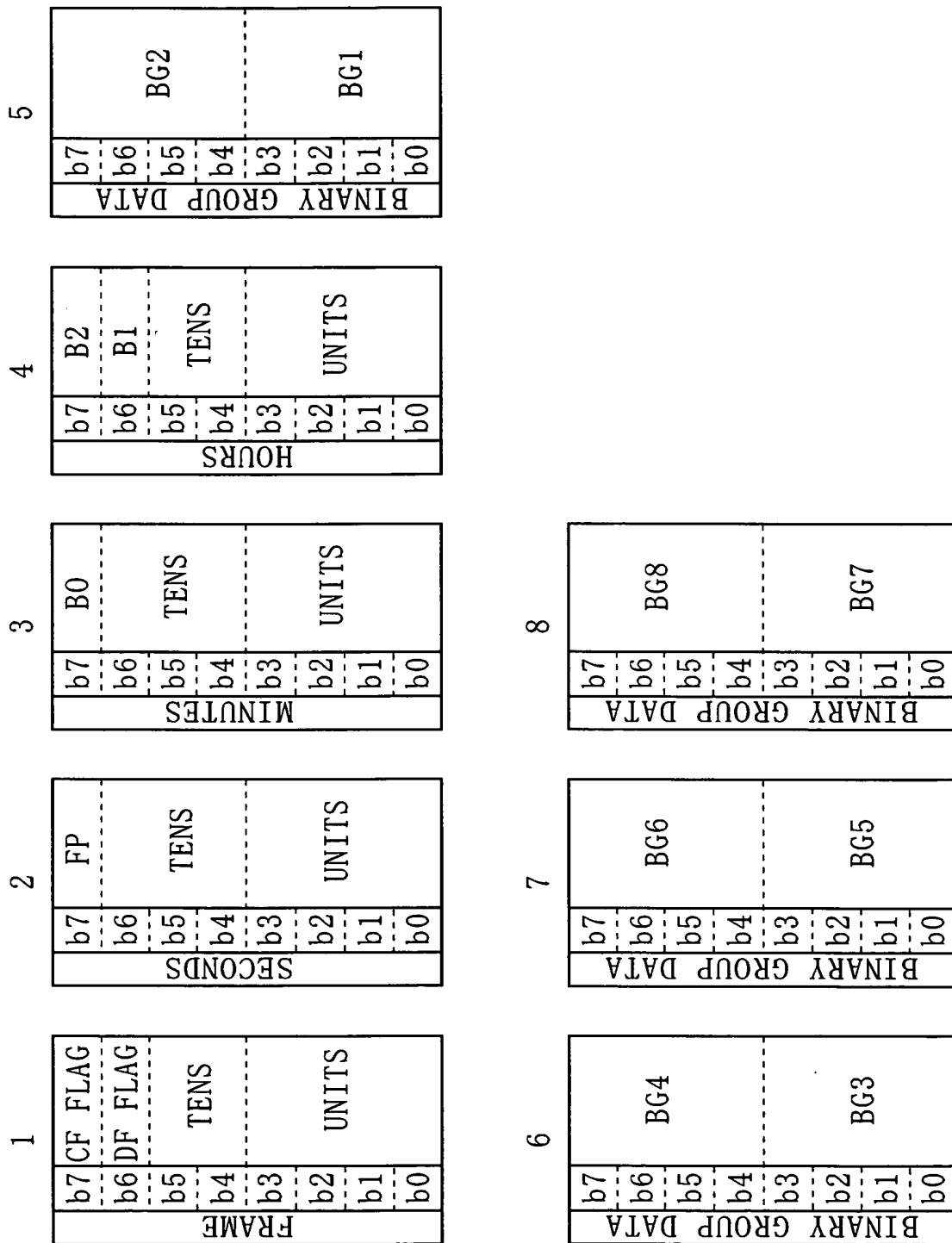
| | |
|----|-----|
| H7 | H15 |
| H6 | H14 |
| H5 | H13 |
| H4 | H12 |
| H3 | H11 |
| H2 | H10 |
| H1 | H9 |
| H0 | H8 |

| | |
|----|---------------|
| b7 | STREAM STATUS |
| b6 | RESERVED |
| b5 | RESERVED |
| b4 | TRANSFER MODE |
| b3 | TIMING MODE |
| b2 | |
| b1 | |
| b0 | |

| | |
|----|--------------|
| b7 | RESERVED |
| b6 | PACKAGE RATE |
| b5 | 1.001 FLAG |
| b4 | |
| b3 | |
| b2 | |
| b1 | |
| b0 | |

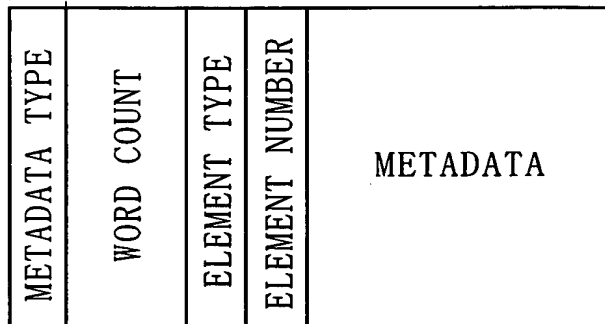
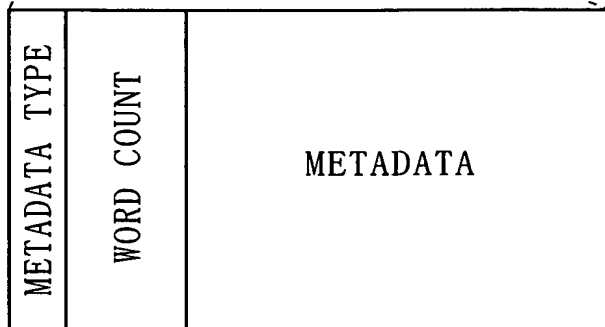
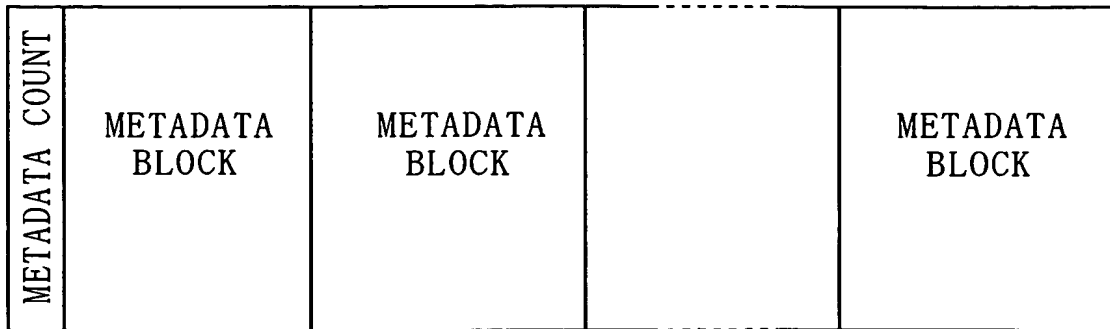
| | |
|----|-------------------|
| b7 | FEC ACTIVE FLAG |
| b6 | SMPTE LABEL |
| b5 | REF DATE/TIME |
| b4 | CURRENT DATE/TIME |
| b3 | PICTURE |
| b2 | AUDIO |
| b1 | AUXILIARY |
| b0 | CONTROL |

FIG. 5



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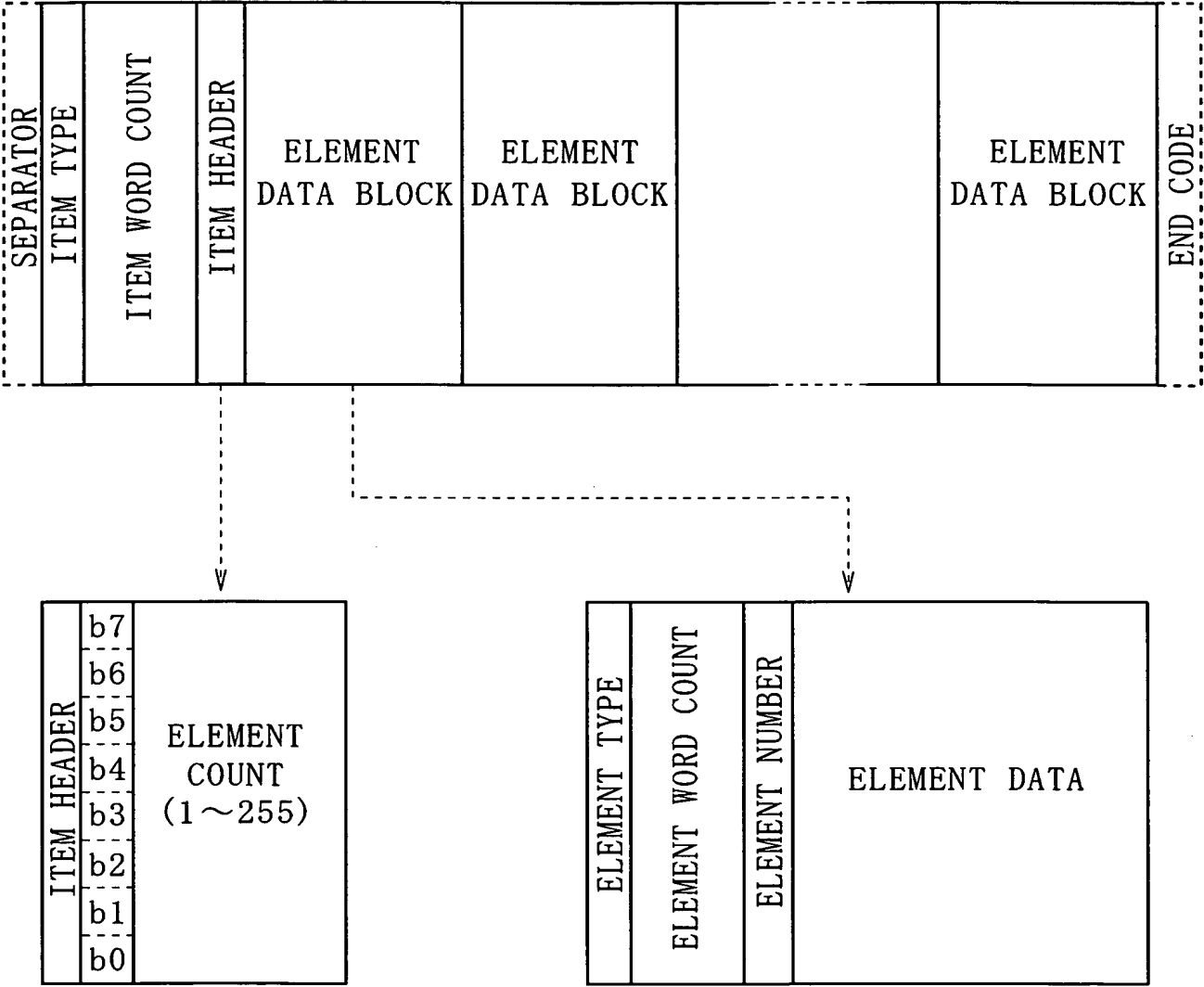
FIG. 6



| | |
|----|-----|
| b7 | b15 |
| b6 | b14 |
| b5 | b13 |
| b4 | b12 |
| b3 | b11 |
| b2 | b10 |
| b1 | b9 |
| b0 | b8 |

FIG. 6

F I G . 7



FORNED T646T460

FIG. 8

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F I G . 9

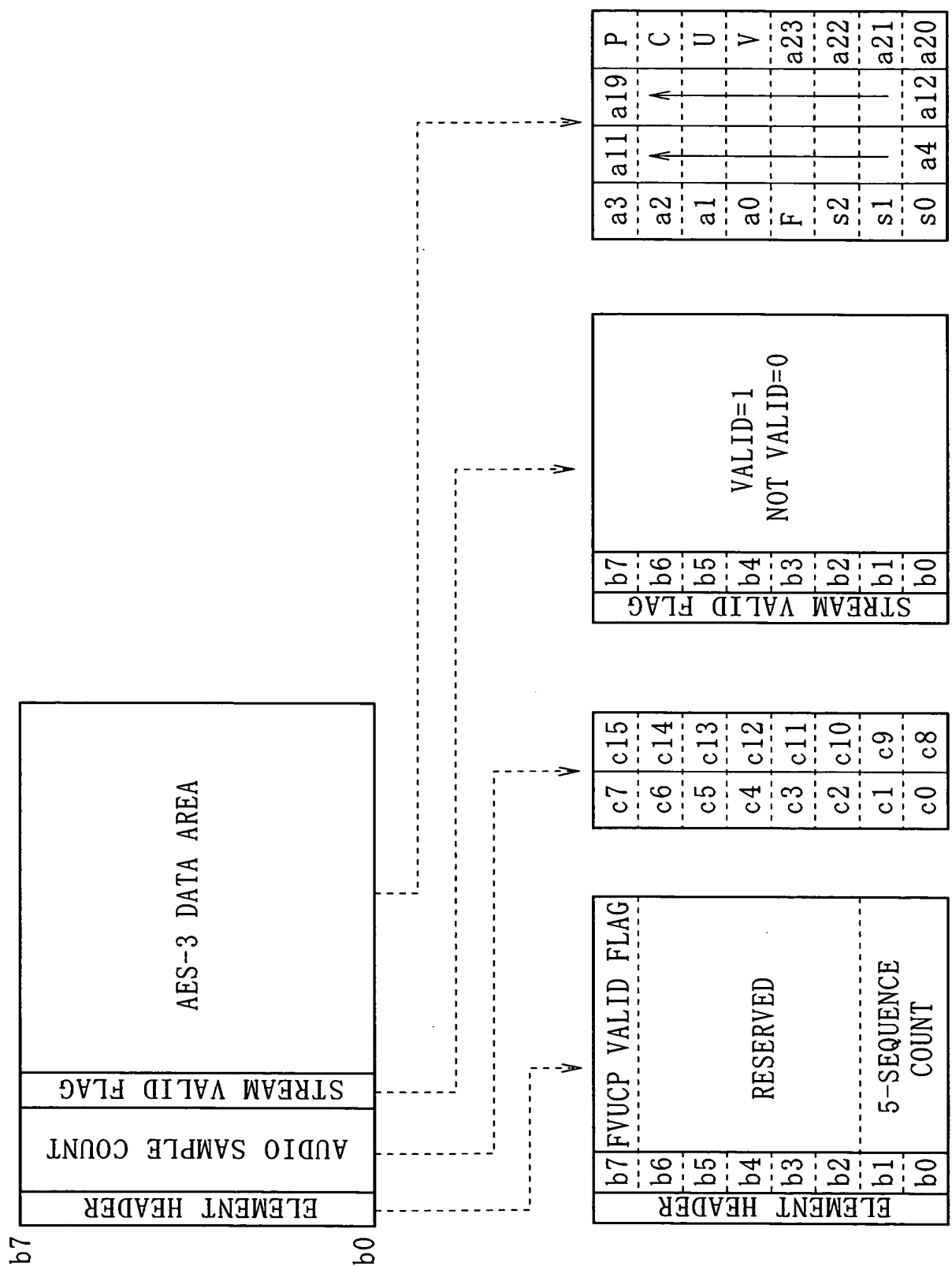
| | | |
|------------------------|----|----------------------|
| PICTURE EDITING BITMAP | b7 | EDIT FLAG |
| | b6 | |
| | b5 | ERROR FLAG |
| | b4 | |
| | b3 | PICTURE CODING VALID |
| | b2 | |
| | b1 | HV SIZE VALID |
| | b0 | |
| | | USER BITMAP VALID |

| | | |
|----------------|----|---------------------|
| PICTURE CODING | b7 | CLOSED GOP |
| | b6 | BROKEN LINK |
| | b5 | PICTURE CODING TYPE |
| | b4 | |
| | b3 | RESERVED |
| | b2 | |
| | b1 | |
| | b0 | |

| | | |
|------------------|----|---------------|
| MPEG USER BITMAP | b7 | HISTORY DATA |
| | b6 | ANC DATA |
| | b5 | VIDEO INDEX |
| | b4 | PICTURE ORDER |
| | b3 | TIMECODE 2 |
| | b2 | TIMECODE 1 |
| | b1 | H-PHASE |
| | b0 | V-PHASE |

T09220" T646T460

FIG. 10



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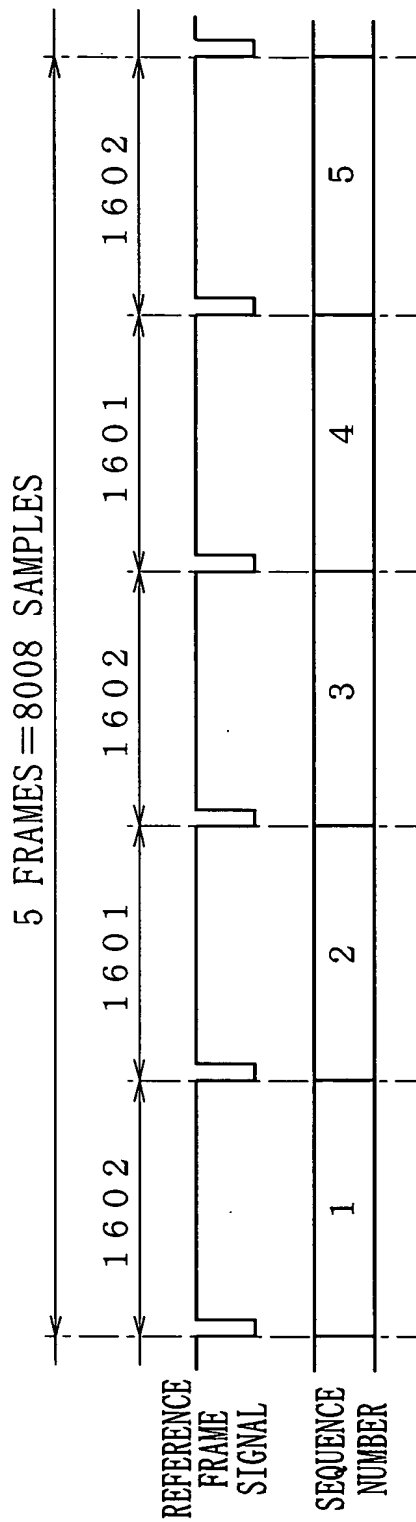


FIG. 11A

FIG. 11B

FIG. 12

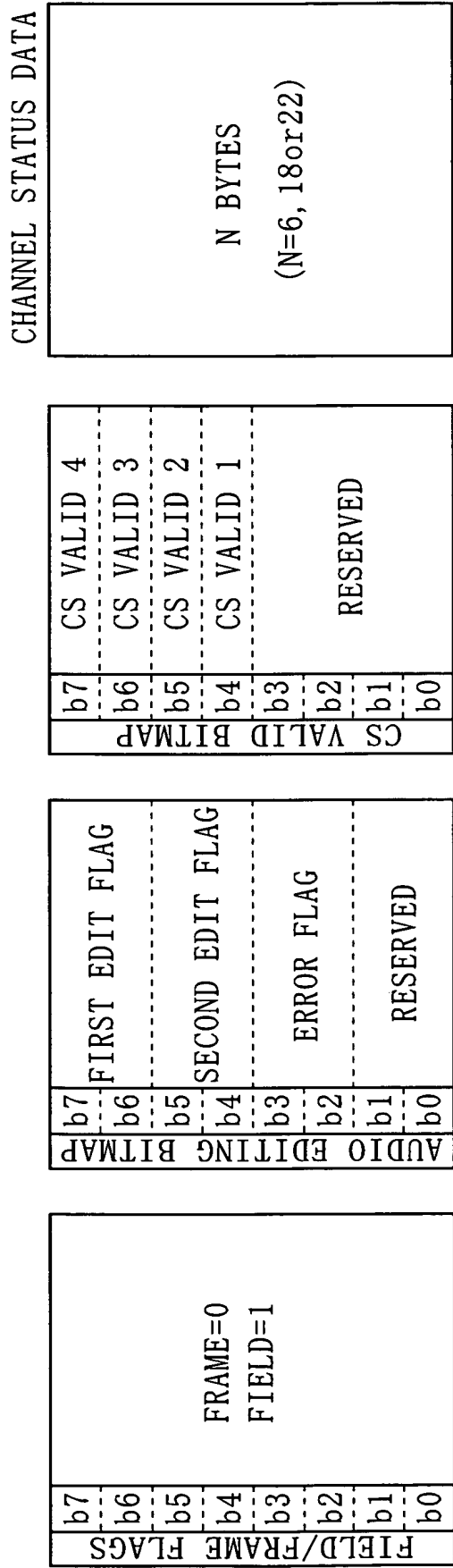


FIG. 13

| <div>TRANSFER MODE</div> <div>TIMING MODE</div> | SYNCHRONOUS (SYNCHRONOUS) | ISOCHRONOUS (ISOCHRONOUS) | ASYNCHRONOUS (ASYNCHRONOUS) |
|---|-----------------------------------|---------------------------------|--------------------------------|
| NORMAL (NORMAL) | STANDARD ONE-TIME NORMAL SPEED | STANDARD VARIABLE SPEED | ASYNCHRONOUS PACKING |
| ADVANCED (ADVANCED) | O/E INVERSION | O/E INVERSION VARIABLE SPEED | |
| DUAL (DUAL) | FIELD PACKING | FIELD PACKING | |
| RESERVED | NOT PRESCRIBED | NOT PRESCRIBED | |

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FIG. 14A
NORMAL

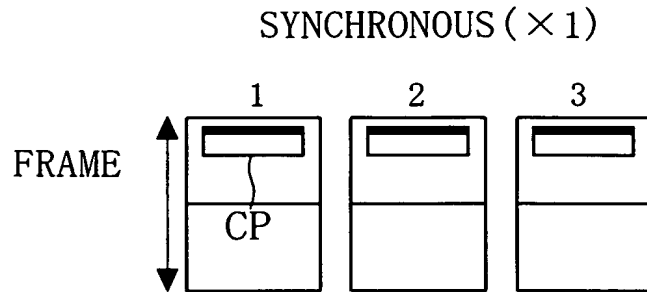


FIG. 14B
ADVANCED

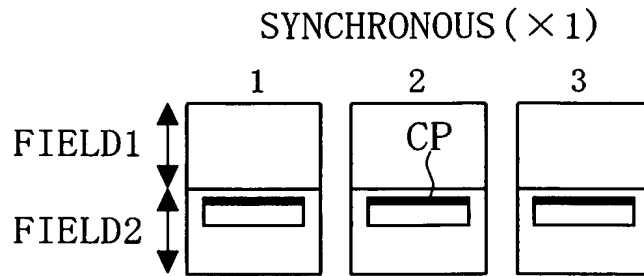


FIG. 14C
DUAL

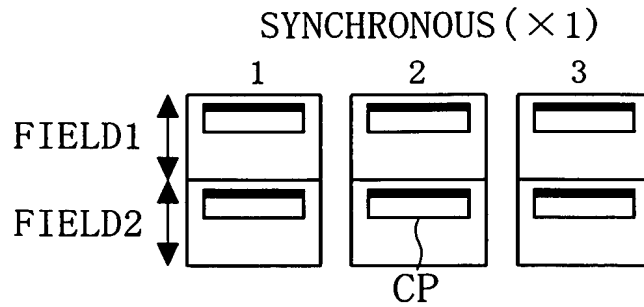


FIG. 14D

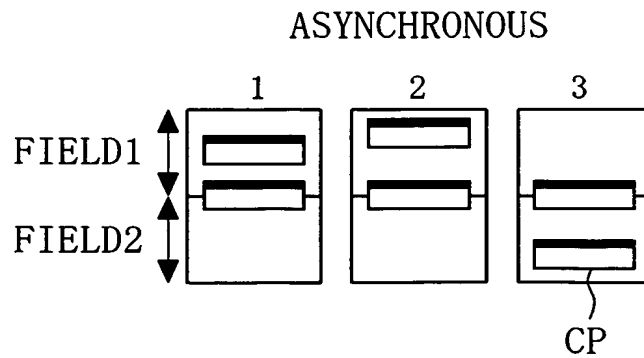


FIG. 15A
NORMAL

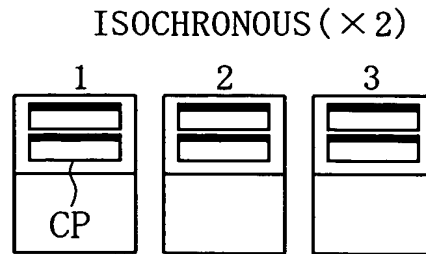


FIG. 15B
ADVANCED

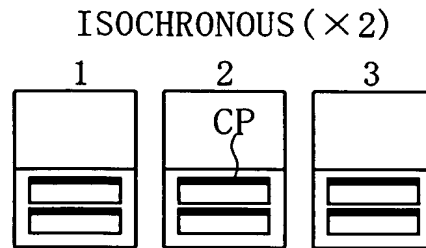


FIG. 15C
DUAL

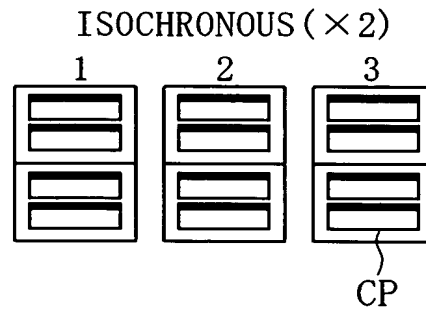


FIG. 15D
NORMAL

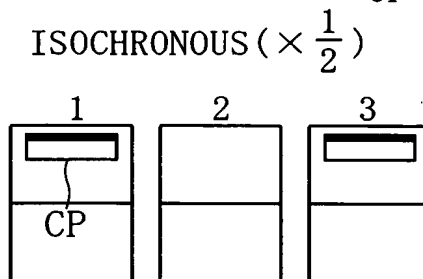


FIG. 15E
ADVANCED

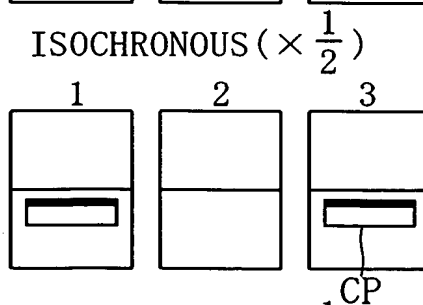


FIG. 15F
DUAL

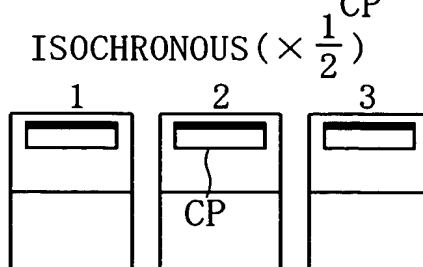
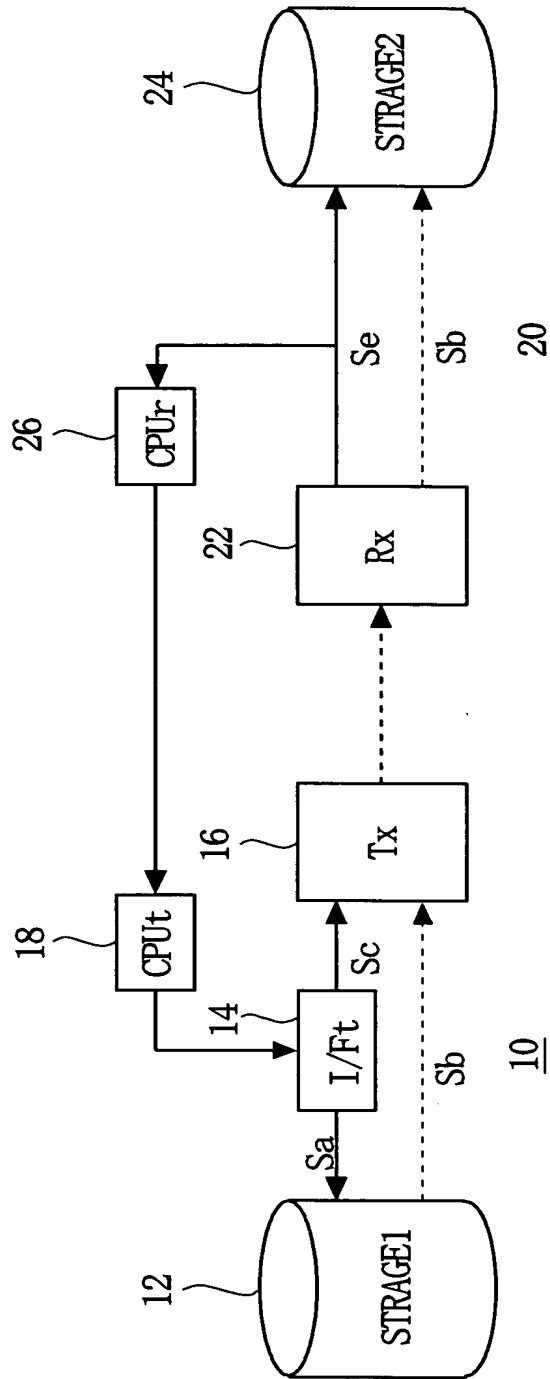


FIG. 16



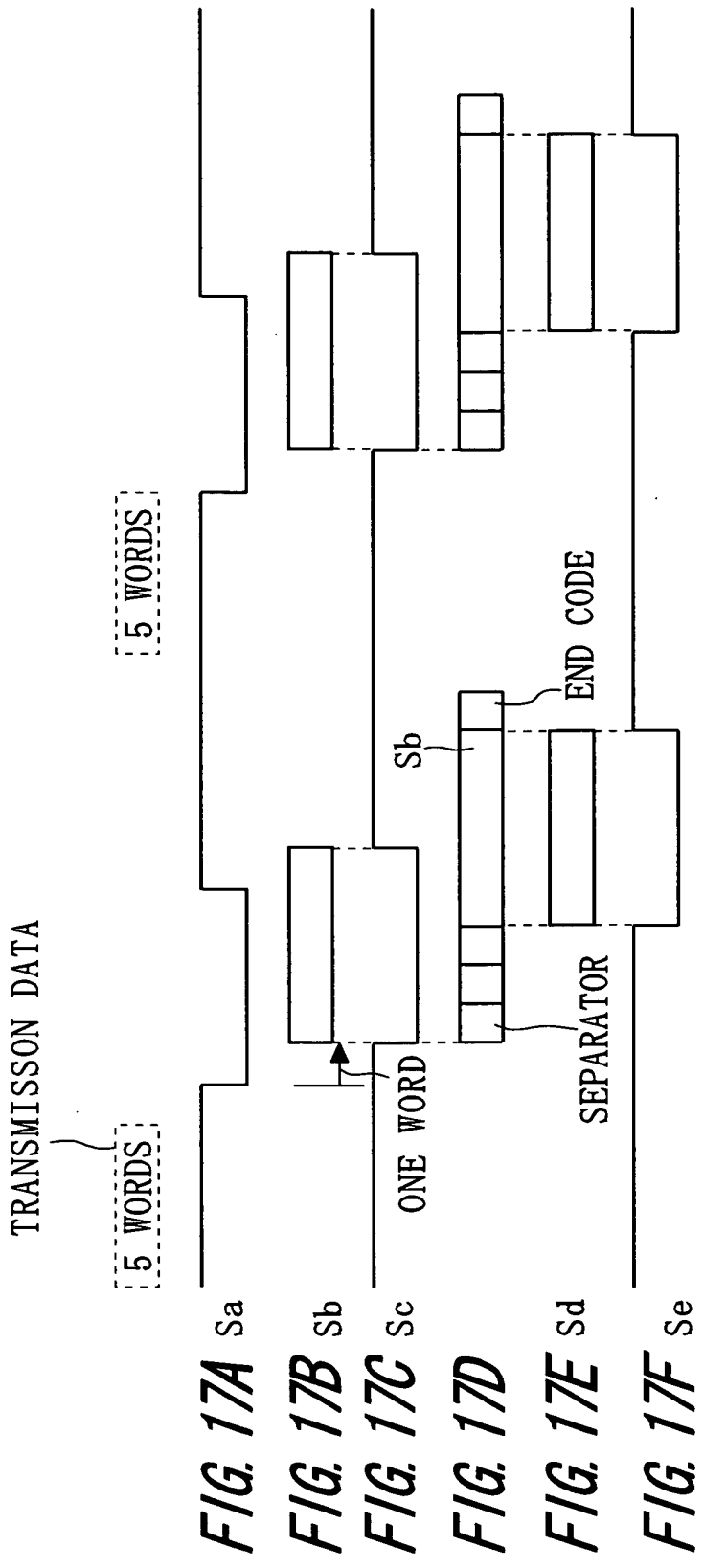
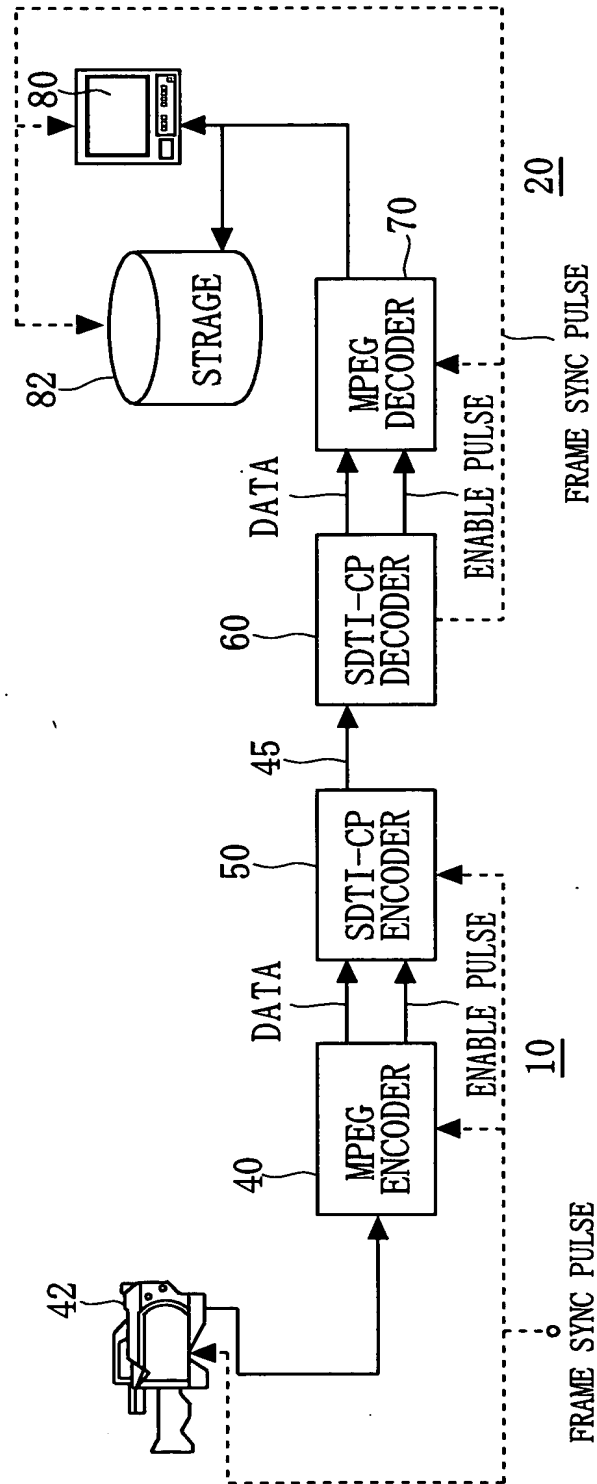
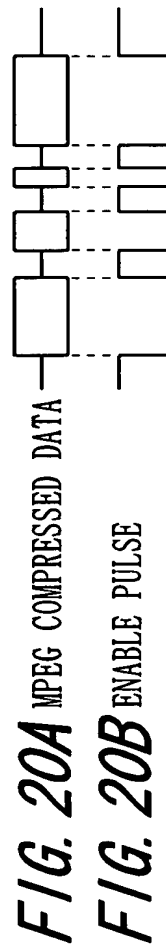
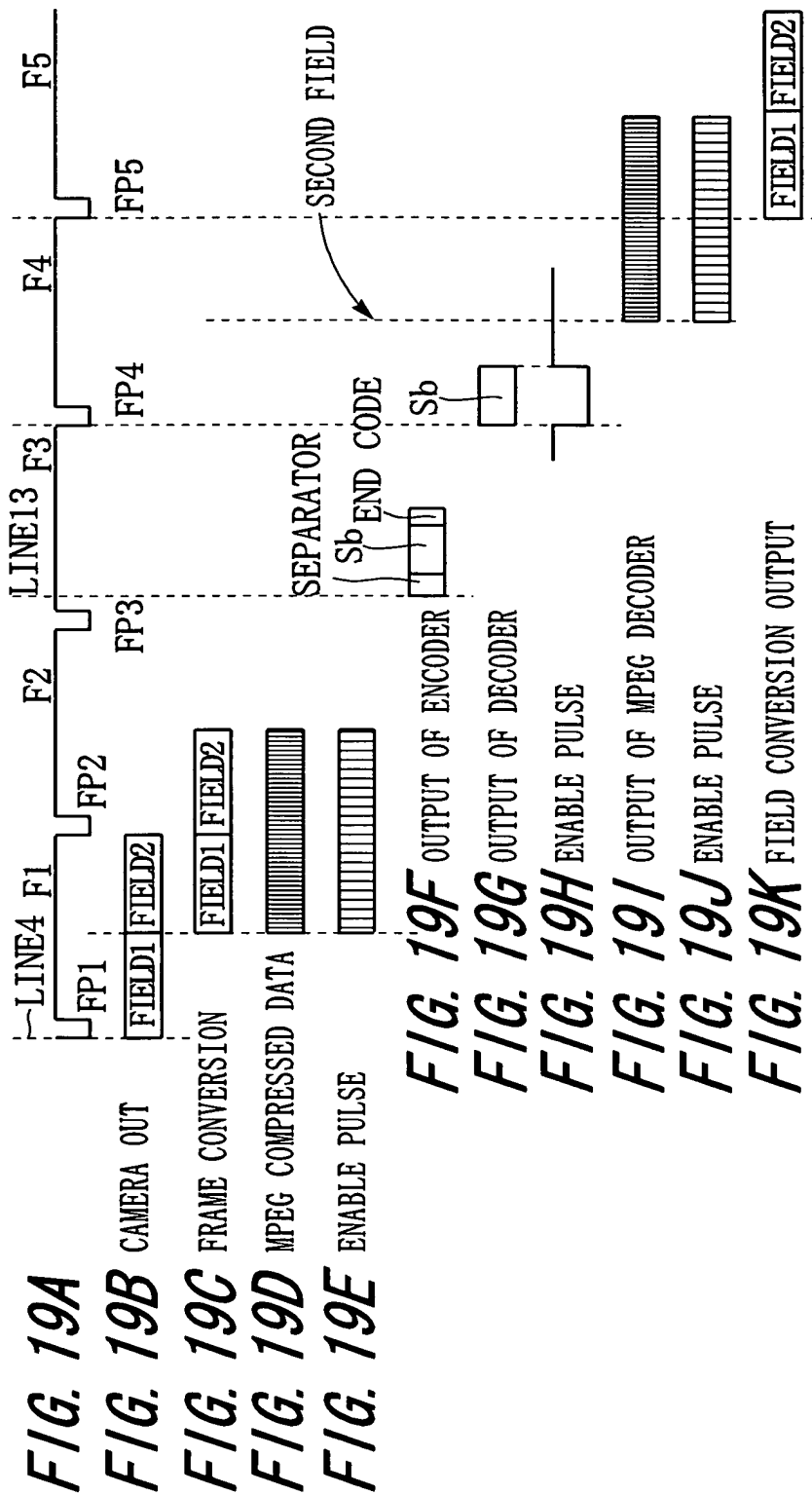


FIG. 18





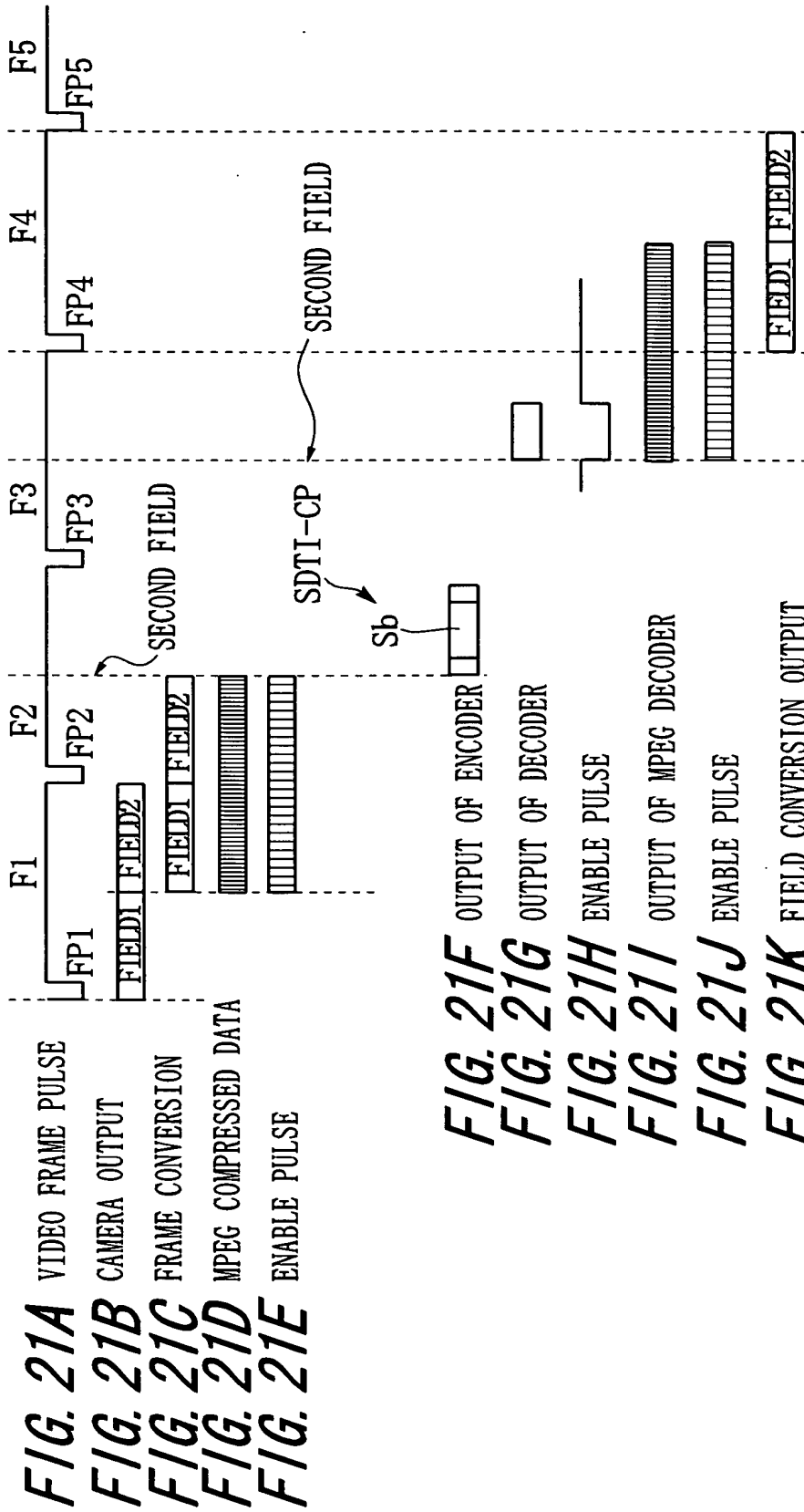


FIG. 21F OUTPUT OF ENCODER
 FIG. 21G OUTPUT OF DECODER
 FIG. 21H ENABLE PULSE
 FIG. 21I OUTPUT OF MPEG DECODER
 FIG. 21J ENABLE PULSE
 FIG. 21K FIELD CONVERSION OUTPUT

FIG. 22

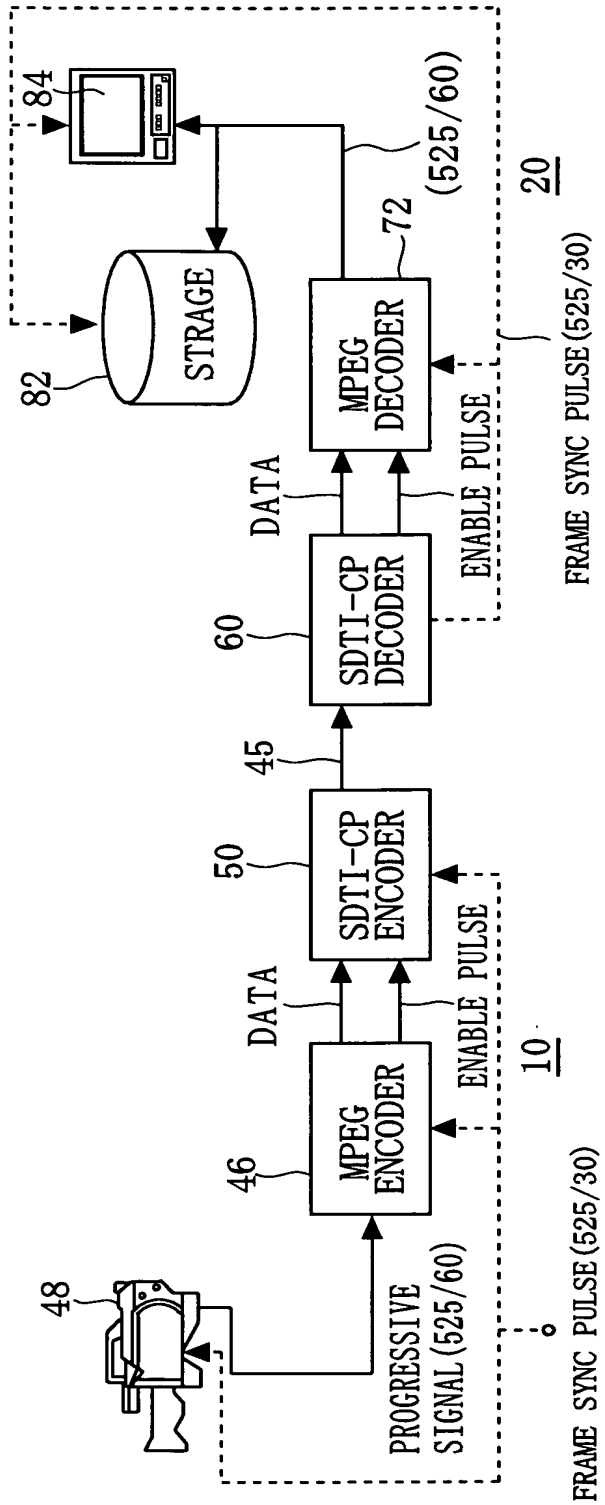


FIG. 23 OUTPUT OF MPEG DECODER

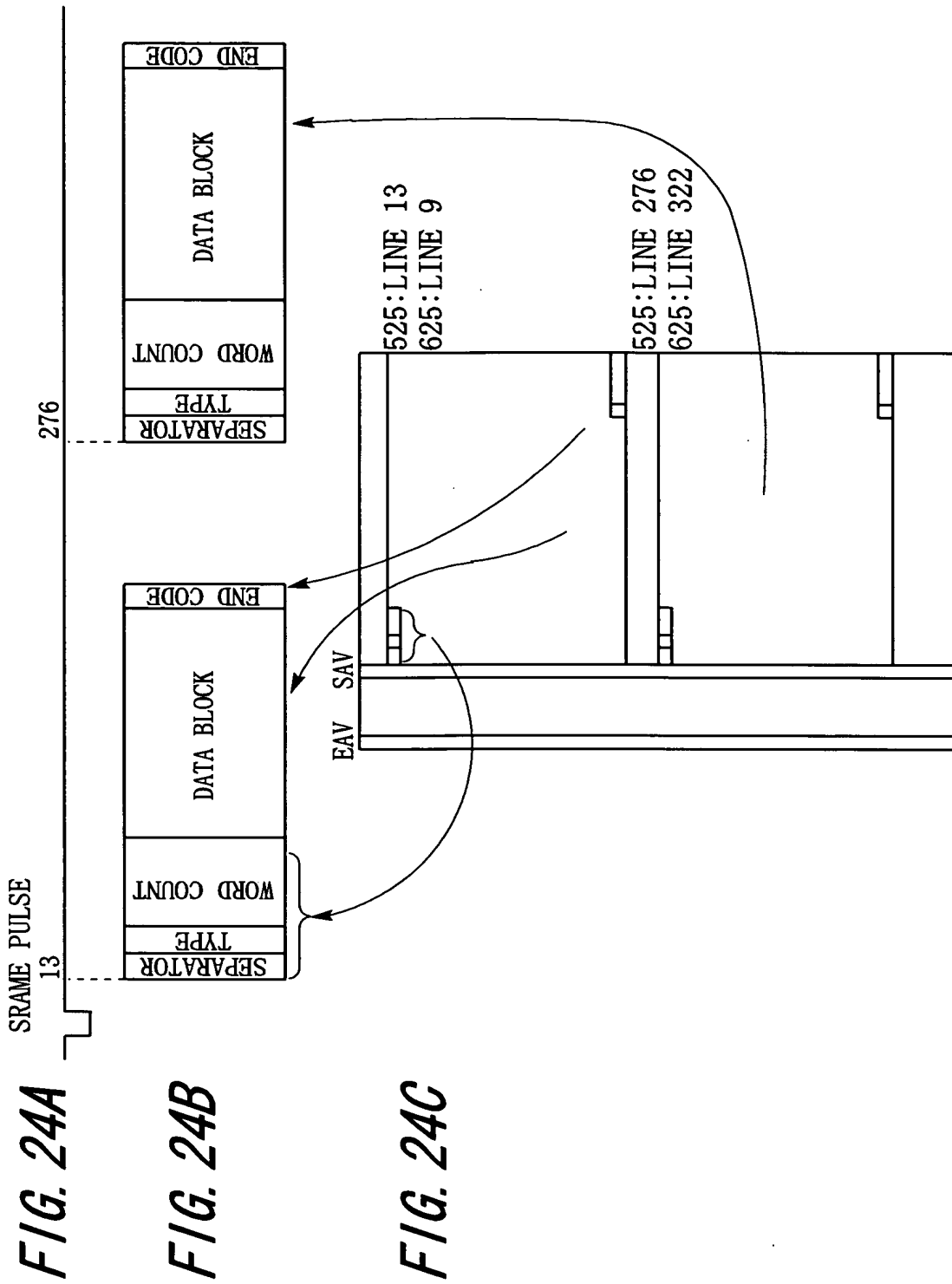
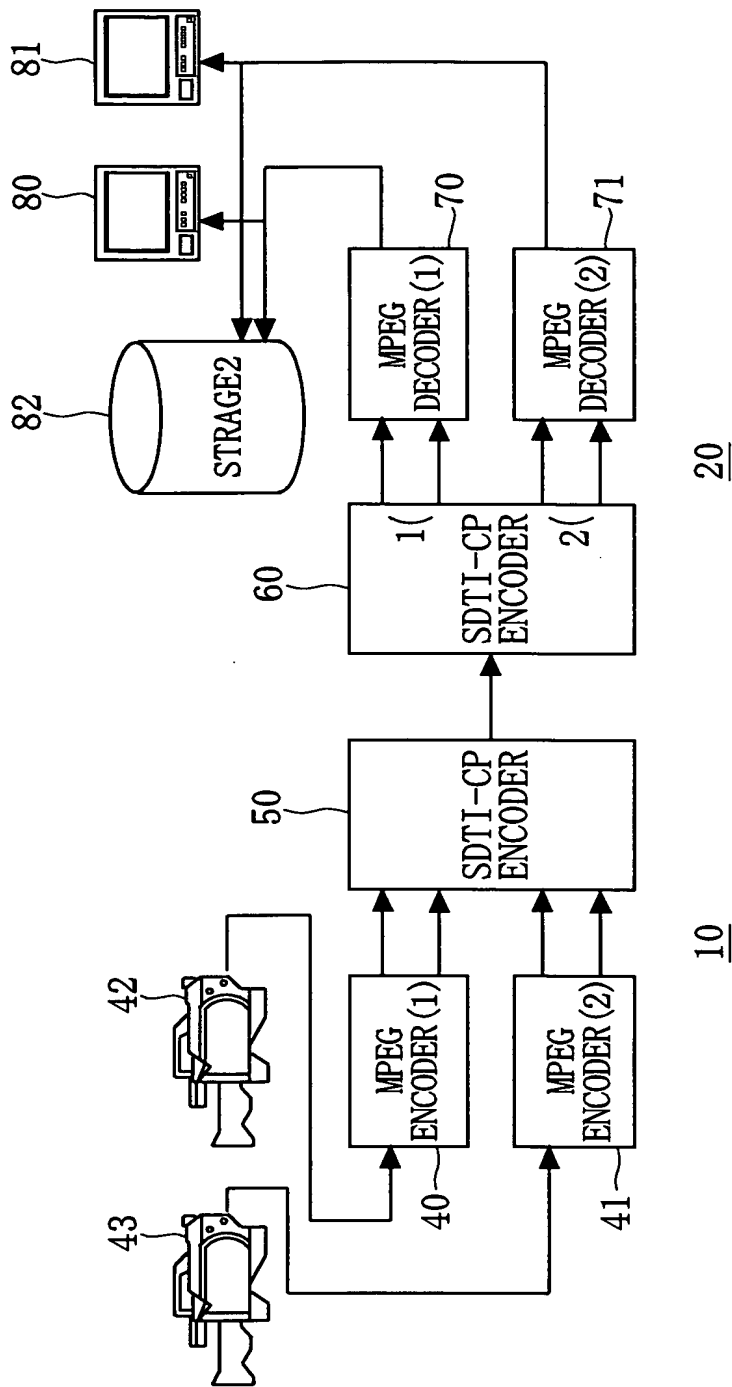
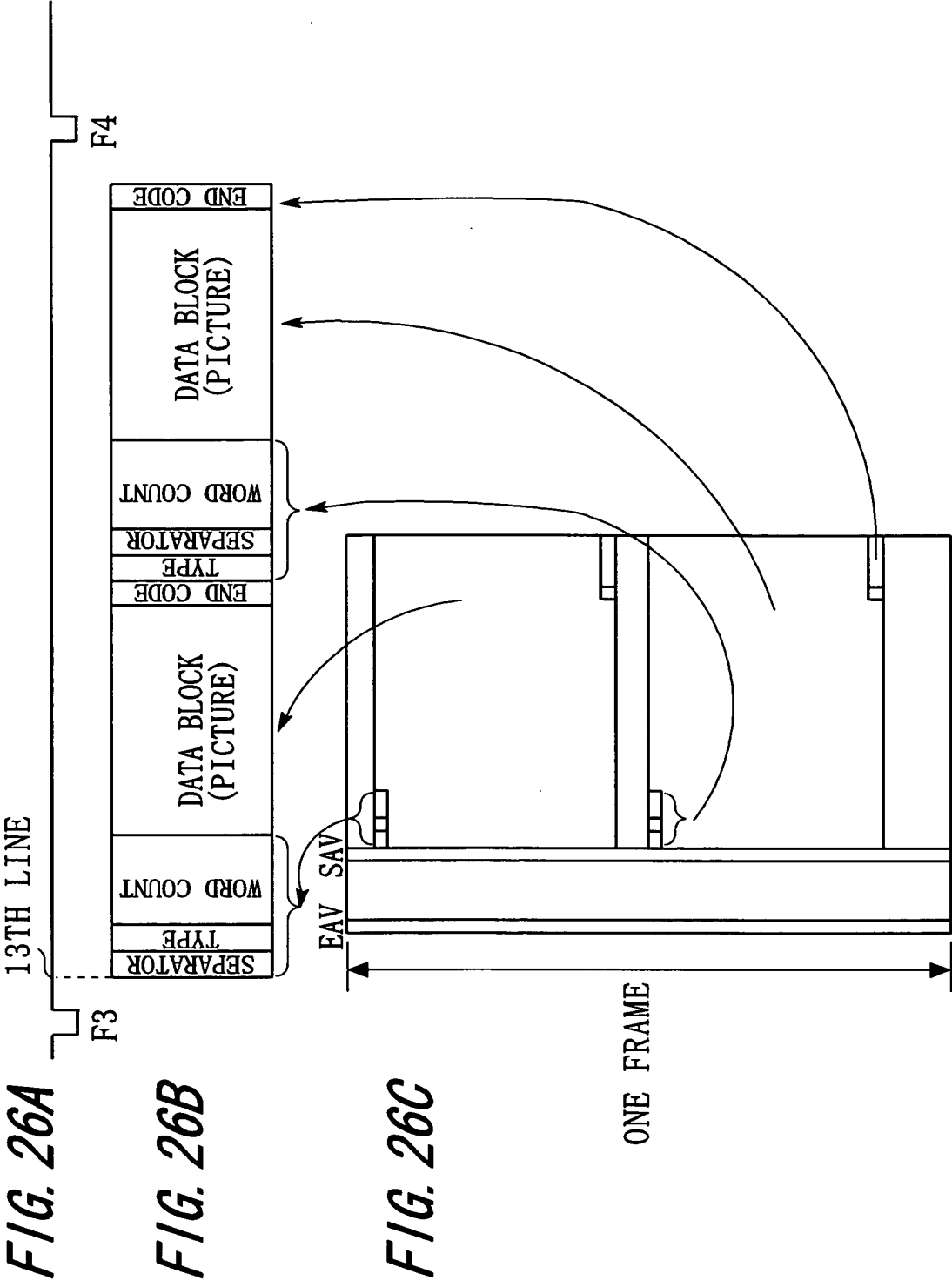


FIG. 25





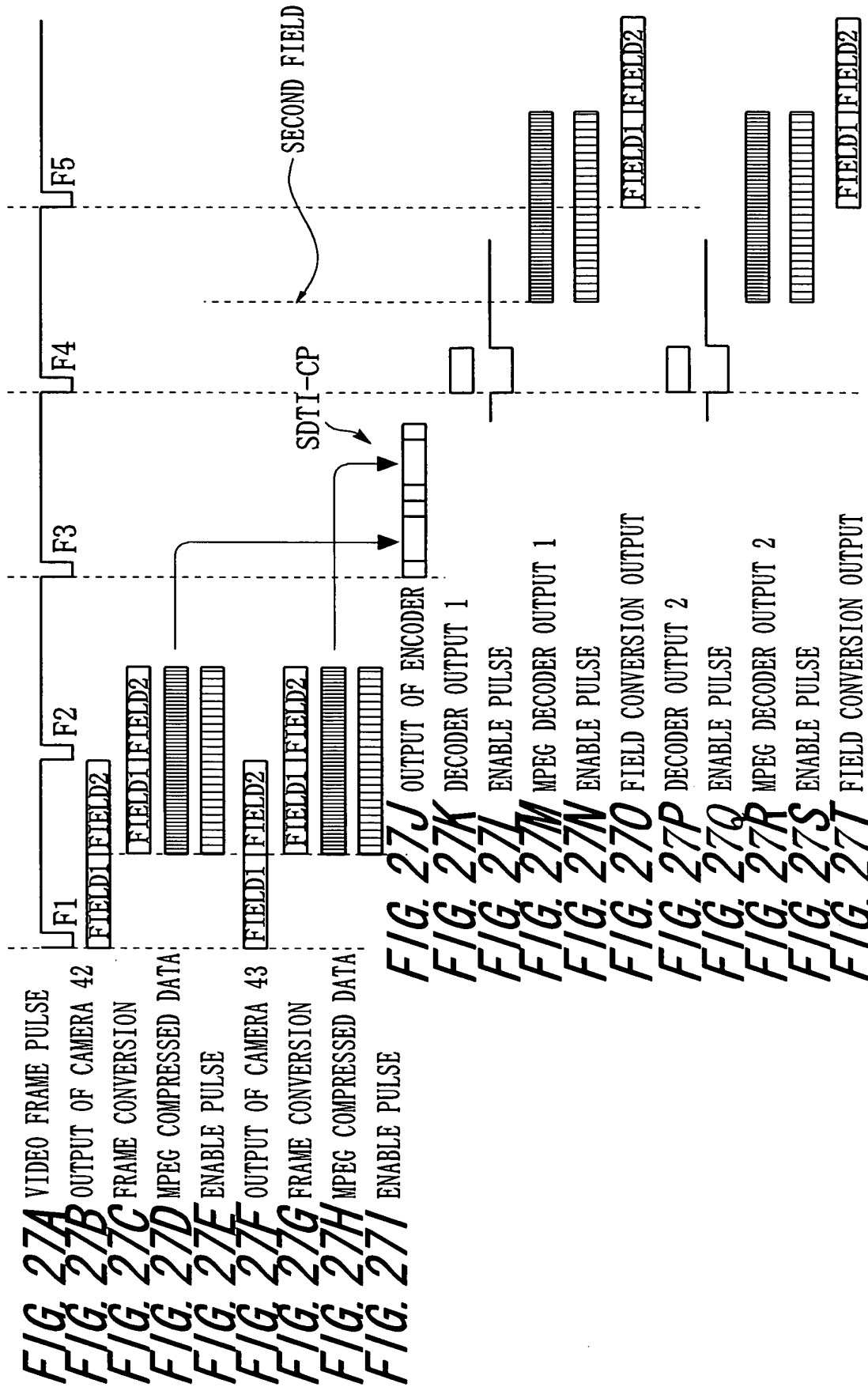


FIG. 29A

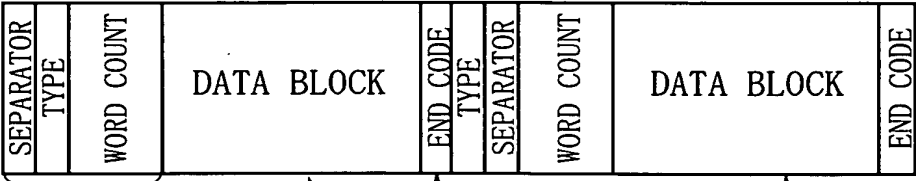


FIG. 29B

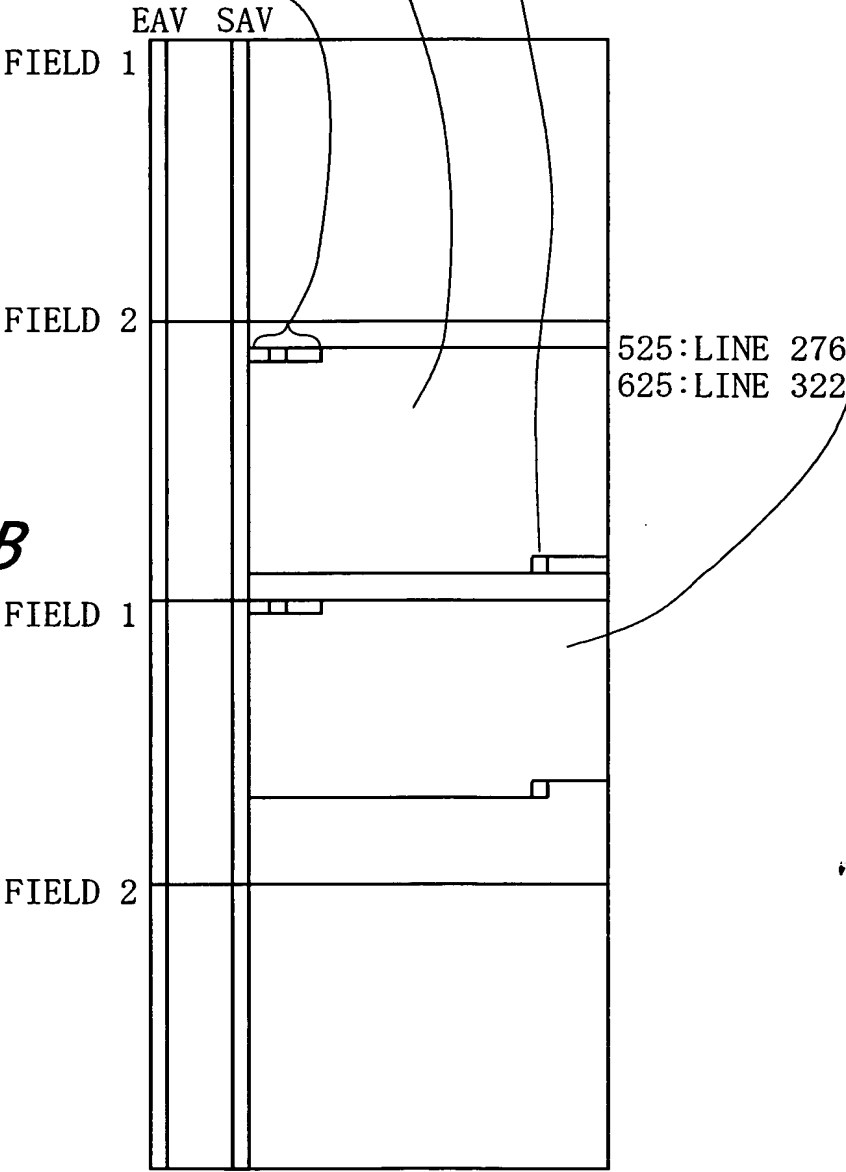
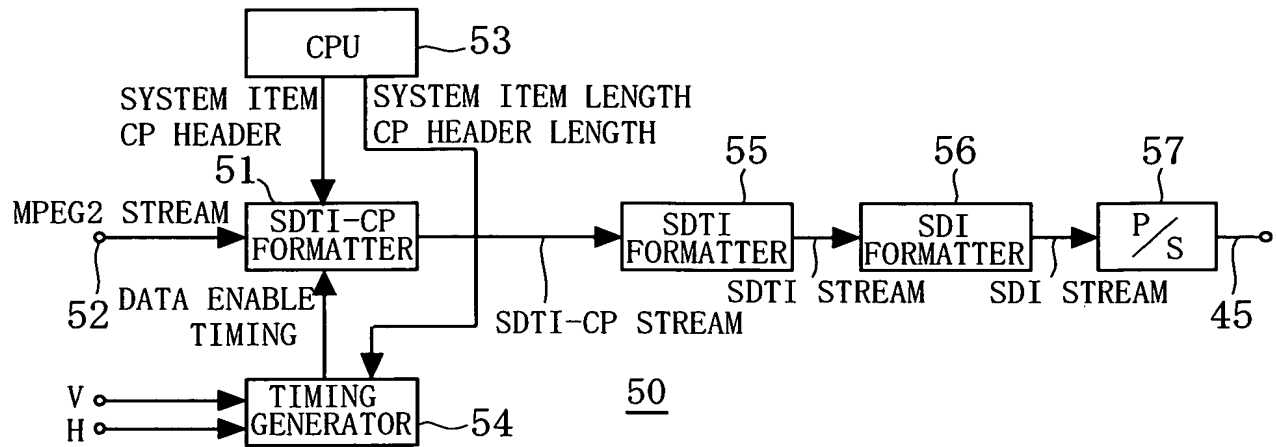


FIG. 29A

FIG. 30**FIG. 31A**
MPEG2 STREAM**FIG. 31B**
SDTI-CP STREAM**FIG. 31C**
DATA ENABLE**FIG. 31D**
SDTI STREAM**FIG. 31E**
EXAMPLE OF MAPPING
OF SDI STREAM